Program Executive Officer
Combat Support & Combat Service Support

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Presented by:
Mr. Carlton Stevenson
Force Protection Officer, PM-PSE
Program Executive Officer
Combat Support & Combat Service Support
DSN: 654-2416 / COMM: (703) 704-2416
E-mail: carlton_d_stevenson@belvoir.army.mil

Agenda

- Mission and Organizational Overview
- Production Equipment
- Commercial-off-the-Shelf Projects
- Research and Development Programs
- Concept Exploration Initiatives

Mission and Organizational Overview

PM-PSE Mission

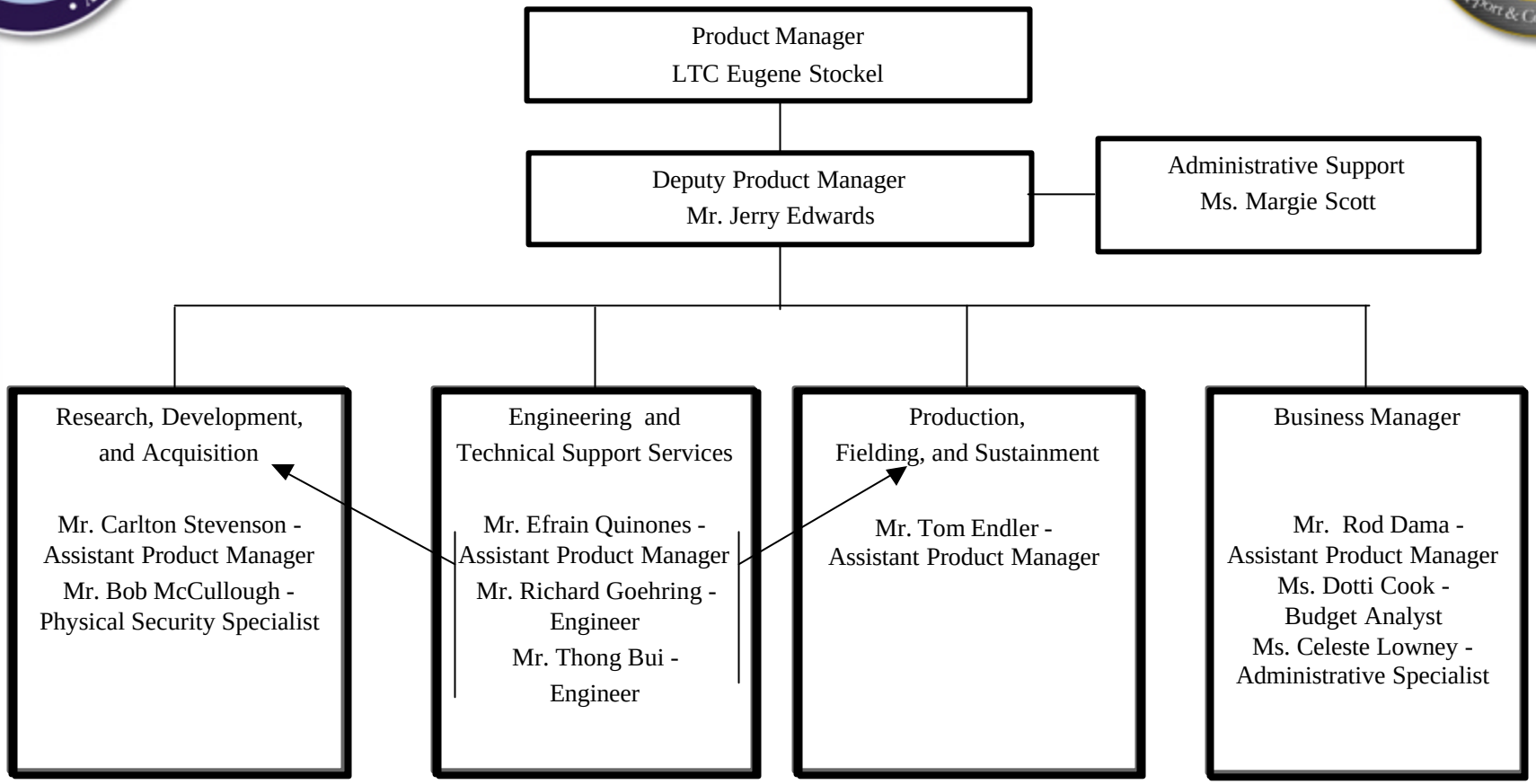



Provide cost-effective, state-of-the-art, and logistically supportable physical security and force protection systems to installations and forces deployed worldwide





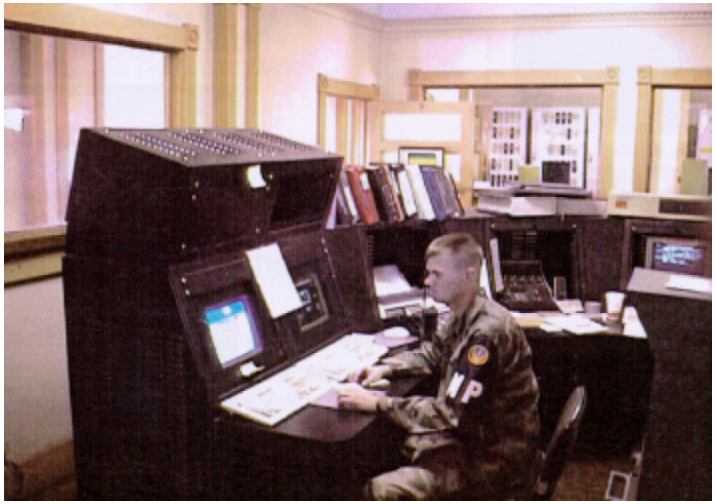
PM-PSE Organization



Production Equipment

Integrated Commercial Intrusion Detection System-II

Supporting Major Program Title: Intrusion Detection System



DESCRIPTION/OBJECTIVE

The Integrated Commercial Intrusion Detection System (ICIDS) is a program pursuing a commercial-off-the-shelf acquisition approach providing a joint-Service system protecting high dollar and critical defense and other Government assets. The ICIDS is a highly secure standardized intrusion detection system using state-of-the-art technology. The program replaces aging and obsolete equipment and upgrades installation security to required levels without an increase in manpower.

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

- Completed ICIDS I Upgrade to Windows NT
- Commenced Installation at Anniston Army Depot, AL; Blue Grass Army Depot, KY; Dugway Proving Ground, UT; Newport Chemical Depot, IN;Site "R", PA; Aberdeen Proving Ground, MD; Ft Hood, TX; and White Sands Missile Range, NM
- Completed Installation at Ft Richardson, AK; Ft Wainwright, AK; and Ft Detrick, MD

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Complete Installation/Acceptance Test at Pine Bluff Arsenal, AR; Anniston Army Depot, AL; Blue Grass Army Depot, KY; Dugway Proving Ground, UT; Site R, PA; Aberdeen Proving Ground, MD; Ft Hood, TX; and White Sands Missile Range, NM
- Extend ICIDS II Contract 6 Months to 22 Nov 2002
- ICIDS III Contract Award Jul/Aug 2002

Contract Information:
DAAB07-97-D-6001, Lockheed Martin, 23 May 1997, 4th year, $64M

Alarm Monitor Group

Supporting Major Program Title: Intrusion Detection System

DESCRIPTION/OBJECTIVE

Alarm Monitor Group (AMG) is a materiel change (MC) to the Joint-Services Interior Intrusion Detection System. The current configuration indicates system status changes (alarm/no-alarm, access/secure, and AC/battery power) by flashing lights and audio beeper. Using a personal computer based upgrade, the MC provides graphics display of status changes according to user-assigned priorities. Additional capabilities include automatic resynchronization and system summary display.

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

- Installed 85 Systems to Date (Includes 11 Taken Out of Service)

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Install Standard Systems in Korea, Kuwait, and Qatar
- Begin fielding of New Mini (16 Zone) AMG in Germany, Korea, Hawaii, and Alaska

High Value Asset Security Cage

Supporting Major Program Title: High Value Item Security System

DESCRIPTION/OBJECTIVE

The High Value Asset Security Cage (HVASC) will provide commanders a capability to secure high-value items in both garrison and field environments. The HVASC will increase readiness and sustainability by ensuring the unit maintains on-hand equipment accountability of highly pilferable, sensitive items such as night vision devices, global positioning devices, etc. The HVASC will be applicable for fielded systems and high technology items soon to be fielded.

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

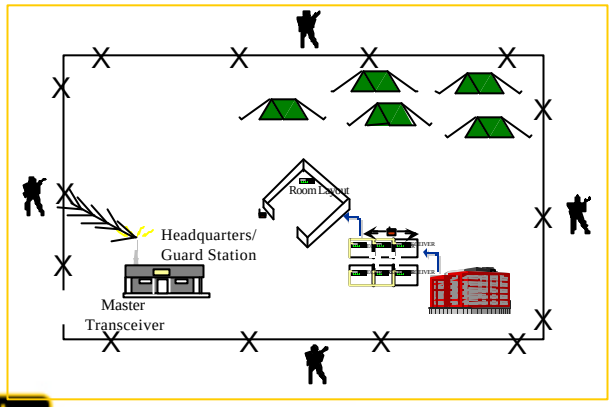
- Placed Production Order for Base Year: FAT units at Ft Belvoir, VA. Currently on Delivery Order #4 (7 units for 94th RSC USAR), Three Option Years Remain to be Exercised
- Produced 111 Units to Date
- Updated Drawing Packages Incorporating 28 Changes/revisions
- Developed Weapons Rack for Storage and Transportation
- $1M Order Placed for PM Centrally Managed Effort

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Continue to Issue Delivery Orders
- Identify and send information packages to target organizations (Brigades and Battalions)
- Determine Weapons Rack Versions to be Offered
- Currently Under Review by the Government
- Weapons Racks to be Selected, Technical Data Package (TDP) Developed, TDP Incorporated via ECP

Commercial-off-the-Shelf Projects

Personnel Alerting / Mass Notification Systems



DESCRIPTION/OBJECTIVE

Personnel Alerting System (PAS) is being developed to provide a means to immediately alert personnel of specific danger (explosive, chemical, and biological agents) and provide intelligible communications on essential actions. Although centrally controlled, PAS will allow for remote activation by guard personnel. PAS will have worldwide applicability to include desert, tropical, and urban environments.

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

- Patch Barracks Selected as Operational Test Site for PAS
- MadahCom Waves System Selected for Installation at Patch Barracks
- Installation Completed/System Commissioned-20 January 2000
- Initiated PAS Installation Preparation Work in Grafenwoher and Vilseck, Germany
- Conducted PAS Site Survey for 22 Sites Within USAREUR for an FY01 Installation Effort
- Initiated Installation Effort in Korea - 4 June 2001

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Re-commission PAS System at the Discretion of HQ, EUCOM
- Conduct Operational Evaluation
- Complete Installation Effort in Korea - 31 August 2002
- Coordinating for the Installation of Additional PAS with the U.S. Navy in Korea

Portable Vehicle Barrier

DESCRIPTION/OBJECTIVE

The portable/towed vehicle program was pursued under the DoD Physical Security Equipment Action Group Commercial-off-the-Shelf Working Group. The requested barrier fulfilled operational deficiencies in anti-vehicular obstacle capabilities. The system envisioned is portable (capable of being towed behind a prime mover) and has been crash rated to the minimum DoS/DoD level of K/4 L/1.

Mobile Vehicle Inspection System (MVIS)

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

- Established BPAs with MVIS Manufacturers
- Negotiated Pricing for Quantity MVIS Procurements/Support
- Prepared and Submitted SAIC Safety Documentation Package to CECOM
- Prepared AS&E Safety Documentation Package for CECOM
- Presented On-Site Briefings for TSWG SAIC Project

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Receive CECOM Safety Certification for AS&E and SAIC Platforms
- Field Six TSWG Funded SAIC Platforms; 2-USAREUR, 2-ARCENT, 1-Southwest Region, San Diego, and 1 Mid Atlantic Region, Norfolk
- Amend CECOM/Navy NRC Licenses for SAIC Platforms
- Procure and Begin Fielding 12 FORSCOM MVIS Platforms
- Procure and Begin Fielding Navy/Pearl Harbor Fixed System

DESCRIPTION/OBJECTIVE

The U.S. Army has assigned PM-PSE as the lead in MVIS effort to test, evaluate, procure, field and provide program oversight for requesting DoD organizations. The Primary purpose of the MVIS Program is to non-intrusively detect explosives, drugs, and other contraband in cargo containers and vehicles entering DoD facilities. The MVIS will enhance the security and safety of personnel and will be used in conjunction with other normally employed security measures. PM-PSE serves as the primary interface among MVIS manufacturers and their DoD customer base to ensure understanding and correct application of newly available and future MVIS technologies.

Force Protection Equipment Demonstration IV -- 6-8 May 2003

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

- Identify Potential Vendors
- Obtain Estimates from Support Contractors
- Establish Contact with Quantico Marine Corps Base
- Reestablish Web Site
- Brief DoD PSEAG

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

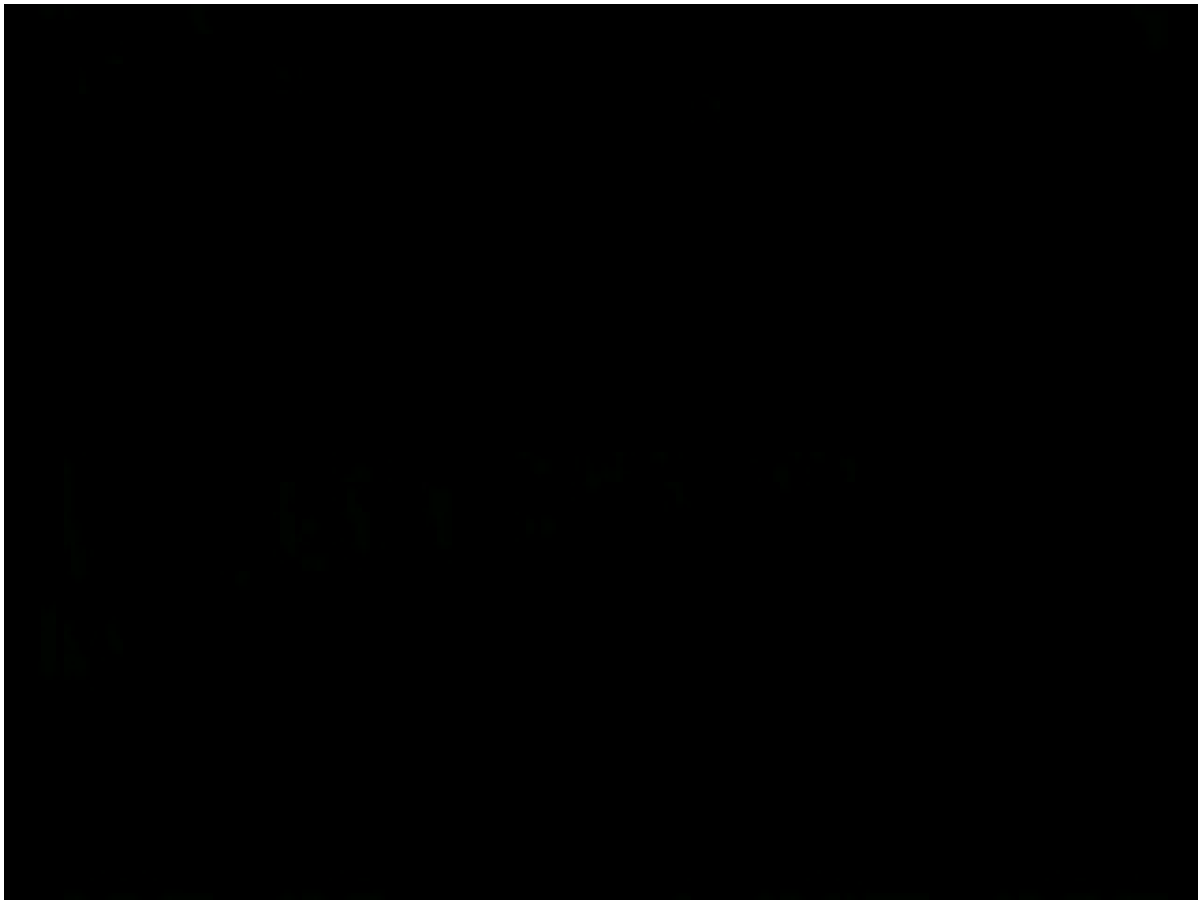
- Invite and Accept Vendors for Participation
- Invite Attendees and Conduct Media Campaign
- Conduct and Finalize Planning
- Conduct FPED IV 6-8 May 2003
- Finalize Video/CD and Distribute
- Complete Vendor and Attendee Surveys
- Conduct After Acton Review and Submit After Action Report

DESCRIPTION/OBJECTIVE

The purpose of the demonstration is to provide a first-hand look at commercial-off-the-shelf force protection equipment immediately available for procurement by military commanders and Department of Defense (DoD) decision-makers, Federal departments and agencies, and selected state and local law enforcement, other first responders, and corrections agencies. The items of equipment which appear, on the basis of the demonstration, to meet DoD needs will be prioritized for possible follow-on testing and procurement beginning in FY04. Any procurement of equipment will be made by the military Services.

http://www.fped4.org

Force Protection Equipment Demonstration III



Blanket Purchase Agreements (BPA)

DESCRIPTION/OBJECTIVE

–Interior and Exterior Intrusion Detection
–Access and Entry Control
–Closed Circuit Television
–Security Lighting
–Barriers, including Fencing
–Personnel Warning/Alert
–Tactical Warning and Alarm
–Explosive and Contraband Detection
–Blast Mitigation
–Asset Protection and Security
–Locks, Locking Devices and Key Control
–Related Security Risk Mitigation Projects

- Program Management Support
- Design
- Procurement
- Installation
- Testing and Evaluation
- Ancillary Services

CURRENT BPA HOLDERS

ADVANTOR
KING FISHER
MADAH-COM
ULTRAK
RADIAN
JULLIEN ENTERPRISES
PERKINS ELMER
DELTA SCIENTIFIC
NASATKA
VINDICATOR
SIGCOM
SAIC
AS&E

Research and Development Programs

Mobile Detection Assessment Response System-Interior

Supporting Major Program Title: Mobile Detection Assessment Response System

DESCRIPTION/OBJECTIVE

The Mobile Detection Assessment Response System - Interior (MDARS-I) will provide commanders at Army, Air Force, Navy, and Defense Logistics Agency facilities with an electro-mechanical capability to conduct semi-autonomous, random patrols and surveillance activities, including product assessment and theft detection functions. MDARS-I can be used at a variety of US Army installations: warehouses, office buildings, and hospitals. The system will randomly navigate building interiors; perform intrusion detection; conduct an inventory assessment; and a visual assessment; and provide an audio response. Enhanced capabilities include detection on the move, the employment of response delay devices, and the integration of fixed sensors and mobile platforms into a single system.

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

- Performed Limited User Test (LUT) Deficiency Corrections
- Began Low Rate Initial Production (LRIP) In-Process Review Package Preparations/Coordination

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Complete EMD
- Prepare/Coordinate Low Rate Initial Production (LRIP) Decision In-Process Review Package - Aug 2002
- Conduct Pre-Site Surveys: Anniston Army Depot, AL; Tobyhanna Army Depot, PA; and Letterkenney Army Depot, PA
- Receive LRIP Authorization/Exercise Production Option
- Plan for First Article Installation
- Install First LRIP System at Rock Island Arsenal

Mobile Detection Assessment Response System-Exterior

Supporting Major Program Title: Mobile Detection Assessment Response System

DESCRIPTION/OBJECTIVE

The Mobile Detection Assessment Response System - Exterior (MDARS-E) will provide commanders at Army, Air Force, Navy, and Defense Logistics Agency facilities with the capability to conduct semi-autonomous, random patrols and surveillance activities, including barrier assessment and theft detection functions. MDARS-E can be used in a variety of applications: general storage yards; depots; arms, ammunition, and explosives (AA&E) storage areas; air fields; railyards; and port facilities. The MDARS-E will autonomously conduct surveillance activities checking for intruders, conducting lock interrogations, and assessing the status of facility barriers, such as doors of AA&E storage bunkers. Uses include the detection of unauthorized personnel, verification of barrier and product status, and the remote investigation of an alarm source.

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

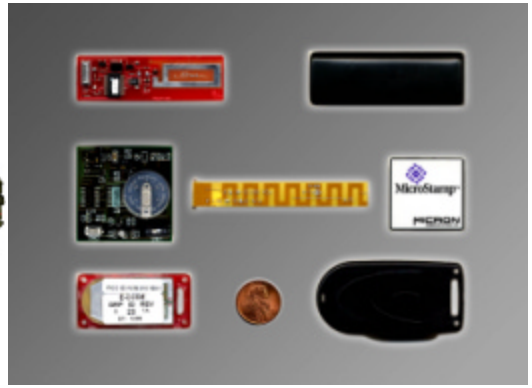
- Completed Pre-Site Survey to Anniston Army Depot
- Updated Government Software in Preparation for System Development and Demonstration (SDD)
- Conducted Source Selection Activities for SDD Contractor
- Awarded SDD Contract to General Dynamics Robotic Systems
- Updated the Acquisition Program Baseline
- Conducted Start of Work Conference
- Conducted Preliminary Design Review for SDD

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Conduct Program Status Reviews
- Conduct Critical Design Review
- Conduct an Electromagnetic Environment Effects (E3) Review Board Meeting
- Conduct Contractor Design and Development IPT
- Visit Key Subcontractor Sites (Radar, Sterovision, RFID Tags)
- Identify Field Evaluation Activities

High Value Item Security System

Supporting Major Program Title: High Value Item Security System



DESCRIPTION/OBJECTIVE

The High Value Item Security System (HVISS) Phase II will provide commanders a system to locate and recover high value items in both garrison and field environments. The HVISS will increase readiness and sustainability by ensuring the unit maintains on-hand equipment accountability of highly pilferable, sensitive items such as night vision devices and global positioning devices, etc. The HVISS Phase II will be applicable for other high value, high technology Items now fielded or soon to be fielded.

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

- Continued Concept Exploration
- Conducted Proof of Concept Demonstration at PNNL and Finalized the PNNL Phase III Report
- Continued Coordination with PM-AIT on RFID Requirements
- Presented Extended Range Prototype Development Project to TSWG
- Conducted a PNNL Tag Demonstration in Conjunction with the MDARS-I PQT at DDSP, New Cumberland, PA

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Award TSWG Contract
- Continue Development of TSWG Prototype RFID System
- Complete Prototype Development (9-Month Effort)

Platoon Early Warning Device II

Supporting Major Program Title: Tactical Security Equipment

DESCRIPTION/OBJECTIVE

The Platoon Early Warning Device II (PEWD II) will provide a replacement tactical sensor system for the Platoon Early Warning System. PEWD II requires the capability for early detection of vehicles and personnel to enhance soldier survivability during defensive and ambush-type operations. By providing early detection of an enemy threat, the capability will enhance time available to determine the appropriate tactical response. The envisioned system would be organic to appropriate tactical units and available under common table of allowances to other forces to meet contingency missions. Emphasis should be placed on ease of deployment, operation, and recovery.

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

- Continued to Monitor Hand-Held Monitor (HHM) Contract to L3 Comm
- Held HHM Program Status Reviews and System Design Review
- Cancelled Interim PEWD II Effort
- Revised Acquisition Strategy to Focus on Full Army Fielding
- Sent Milestone B, System Development and Demonstration (SDD) Package to PEO for Approval
- Revised Testing Strategy
- Procured REMBASS II Seismic Acoustic Sensors

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Conduct Program Status Reviews with L-3 Comm
- Develop 35 HHM for Testing
- Conduct Contractor System and Environmental Tests
- Conduct Government DT/OT
- Prepare Milestone C, Production Package
- Release Draft RFP for Production

Electronic Trip Flare

Supporting Major Program Title: Tactical Security Equipment

DESCRIPTION/OBJECTIVE

The Electronic Trip Flare (ETF) will be a programmable, lightweight, manportable, easily emplaced, and recoverable motion activated device designed to provide early warning and illumination to individuals and small units. These capabilities will provide commanders with more time to effectively determine the most appropriate tactical response. The ETF will be used as an independent/individually-employed early warning device or as a part of a security concept layer.

SIGNIFICANT ACCOMPLISHMENTS (OCT 01 - MAY 02)

- Awarded ETF TSWG Prototype Development Contract to Ocean Atmospheric Science, Inc.
- Completed PDR - December 2000
- Conducted CDR - June 2001
- Received Final Technical Design Package, November 2001
- Received Final Report and Delivery of Eight Systems, December 2001
- Conducted Early User Appraisal at USAMPS, January-May 2002

PROJECTED ACCOMPLISHMENTS (JUN 02 - SEP 03)

- Conduct Operational Evaluation portion of Early User Appraisal by Army Research Laboratory Human Factors Field Element at MANSCEN, May - June 2002
- Prepare Final Prototype Evaluation Report - July 2002
- Re-write Operational Requirements Document into new format with updated analysis, August-October 2002

Concept Exploration Initiatives

Vehicle/Personnel Access Control

DESCRIPTION/OBJECTIVE

Proposed vehicle/personnel access control system will provide a nonintrusive reading capability in the most extreme weather conditions. The system will be capable of providing positive vehicle and internal personnel identification of passengers. The system will provide a link to search for any violations or cautionary flags regarding the vehicle and its occupants. A subelement of the system also will provide positive ID of pedestrians. Real time feedback (less than 5 seconds) will be provided to security personnel at check points.

PROJECTED ACCOMPLISHMENTS

- Outline Requirements
- Conduct Market Research
- Validate Concepts and Mission Needs
- Evaluate and Select Candidate System
- Conduct Early User Appraisal

Human Presence

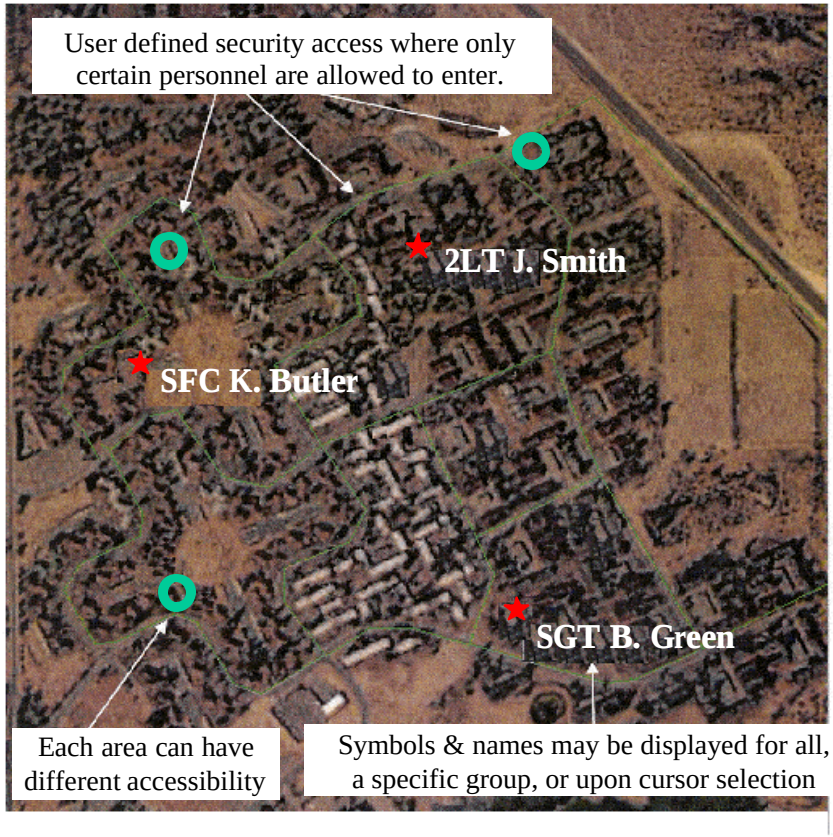
PROJECTED ACCOMPLISHMENTS

- Outline Requirements
- Conduct Market Research
- Validate Concepts and Mission Needs
- Evaluate and Select Candidate System
- Conduct Early User Appraisal

DESCRIPTION/OBJECTIVE

The proposed human presence system will provide the capability to detect the presence of humans in a structure at 95% probability. System will provide positive detection through all known construction materials. The capability will be real time and provide immediate feedback to the operator using a handheld wireless monitor.

Real Time Identification and Tracking



DESCRIPTION/OBJECTIVE

The proposed IC and training system will allow the user to monitor personnel and vehicles within specific areas. It will use the latest in video, sensors, and real-time location technology to identify and track personnel and vehicle locations within any defined perimeter and allow for the definition of precise security zones. Alarms will be definable for unauthorized entry or exit from these zones. A database containing both real-time and historical information pertaining to tagged subjects' locations, timestamps, associated video, and other data will be retained at a central server.

PROJECTED ACCOMPLISHMENTS

- Outline Requirements
- Conduct Market Research
- Validate Concepts and Mission Needs
- Evaluate and Select Candidate System
- Conduct Early User Appraisal

High Energy Cargo Inspection System (HECIS)

DESCRIPTION/OBJECTIVE

Integrate COTS technology for nonintrusive cargo inspection in order to: achieve high penetration for dense cargo in order to detect weapons of mass destruction, contraband, or explosives; improve assessment imaging for organic and nonorganic items; maximize throughput; and minimize radiation hazard to cargo and operators.

PROJECTED ACCOMPLISHMENTS

- Outline Requirements
- Conduct Market Research
- Validate Concepts and Mission Needs
- Evaluate and Select Candidate Systems
- Conduct Early User Appraisal